

WHAT IS CLAIMED IS:

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1. A mobile station for a CDMA mobile communication system, comprising:

5 a transmitting section for transmitting a location registration request signal to a base station;

a receiving section for receiving an acknowledge signal from the base station after the base station receives the location registration request signal from the transmitting section; and

10 a control section for prohibiting power supply to the receiving section for a predetermined period of time if the acknowledge signal transmitted from the base station is not received within a predetermined period of time after the location registration request  
15 signal has been transmitted from the transmitting section.

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2. The mobile station according to claim 1, wherein the predetermined period of time for which the power supply to the receiving section is prohibited is  
20 increased stepwise as time elapse.

Sub A2  
3. A mobile station for a CDMA mobile communication system, comprising:

a transmitting section for transmitting a location registration request signal to a base station;

25 a receiving section for receiving an acknowledge signal from the base station after the base station receives the location registration request signal from

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the transmitting section; and

a control section for disabling the receiving section for a predetermined period of time if the acknowledge signal transmitted from the base station is not received within a predetermined period of time after the location registration request signal has been transmitted from the transmitting section.

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4. The mobile station according to claim 3, wherein the predetermined period of time for which the receiving action of the receiving section is prohibited is increased stepwise as time elapse.

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5. A mobile station for a CDMA mobile communication system, comprising:

a transmitting section for transmitting a location registration request signal to a first base station;

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a receiving section for receiving an acknowledge signal from the first base station after the first base station receives the location registration request signal from the transmitting section;

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an acquiring section for acquiring a second base station if the acknowledge signal transmitted from the first base station is not received within a predetermined period of time after the location registration request signal has been transmitted from the transmitting section; and

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a causing section for transmitting a location registration request signal to the acquired second base

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station, and causing the receiving section to receive an acknowledge signal from the second base station after the second base station receives the location registration request signal from the transmitting section.

6. The mobile station according to claim 5, wherein a frequency of the first base station is different from a frequency of the second base station.

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7. A method of registering a location of a mobile station in a CDMA mobile communication system, comprising the step of:

transmitting a location registration request signal from a transmitting section of the mobile station to a base station;

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receiving at a receiving section of the mobile station an acknowledge signal from the base station after the base station receives the location registration request signal from the transmitting section; and

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prohibiting at a control section power supply to the receiving section for a predetermined period of time if the acknowledge signal transmitted from the base station is not received within a predetermined period of time after the location registration request signal has been transmitted from the transmitting section.

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8. A method of registering a location of a mobile

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station in a CDMA mobile communication system,  
comprising the steps of:

transmitting a location registration request  
signal from a transmitting section of the mobile  
station to a base station;

receiving at a receiving section of the mobile  
station an acknowledge signal from the base station  
after the base station receives the location  
registration request signal from the transmitting  
section; and

disabling at a control section receiving action of  
the receiving section for a predetermined period of  
time if the acknowledge signal transmitted from the  
base station is not received within a predetermined  
period of time after the location registration request  
signal has been transmitted from the transmitting  
section.

9. A method of registering a location of a mobile  
station in a CDMA mobile communication system,  
comprising the steps of:

scanning a first frequency to acquire a first base  
station as well as scanning a second frequency to  
acquire a second base station at an acquiring section;

making the acquiring section attempt to acquire  
the second base station when the acquiring section has  
failed to acquire the first base station using the  
first frequency at a control section, and conversely

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making the acquiring section attempt to acquire the first base station when the acquiring section has failed to acquire the second base station using the second frequency at the control section; and

- 5           transmitting at a transmitting section a location registration request signal to a base station which has been acquired by the acquiring section, and receiving at a receiving section an acknowledge signal that indicates that the location registration process has
- 10           been completed by the base station.

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